

ALMANAC CLX OPPOSITIONS BETWEEN SUN AND MARS IN CE

The almanac CLX contains a list of oppositions
between Sun and Mars
from the 1st millennium CE to the 295th millennium CE.

1ST MILLENNIUM CE

This is a list of oppositions between Sun and Mars in the 1st
millennium CE.

DATE	TT	DIST
		min
		km

314/07/21 09:11:07	55.973743
393/07/24 18:44:50	55.980567
472/07/28 04:36:30	55.999980
677/07/24 05:50:18	55.954023
756/07/27 17:22:58	55.902450
835/08/01 01:33:46	55.936790

DATE	TIME	ARC	SUN	MARS
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NOV 09,	2 12:17 PM	180 15SC22	15TA22R
DEC 17,	4 04:19 AM	180 24SA19	24GE19R
JAN 20,	7 12:17 PM	180 28CP40	28CA40R
FEB 23,	9 04:38 PM	180 03PI20	03VI20R
APR 06,	11 12:25 PM	180 13AR45	13LI45R
JUN 03,	13 07:56 PM	180 10GE02	10SA02R
AUG 23,	15 08:55 AM	180 27LE01	27AQ01R
OCT 22,	17 03:09 PM	180 27LI35	27AR35R
DEC 04,	19 00:33 AM	180 10SA14	10GE14R
JAN 07,	22 08:11 AM	180 15CP43	15CA43R
FEB 10,	24 03:07 PM	180 19AQ44	19LE44R
MAR 19,	26 11:38 PM	180 27PI05	27VI05R
MAY 08,	28 02:37 PM	180 15TA24	15SC24R
JUL 22,	30 08:46 PM	180 26CA48	26CP48R
OCT 01,	32 10:53 PM	180 07LI06	07AR06R
NOV 18,	34 08:51 PM	180 25SC08	25TA08R
DEC 25,	36 00:41 AM	180 02CP33	02CA33R
JAN 28,	39 03:15 AM	180 06AQ35	06LE35R
MAR 04,	41 04:39 AM	180 11PI58	11VI58R

APR 17, 43	02:41 PM	180	24AR41	24LI41R
JUN 20, 45	03:10 PM	180	26GE17	26SA17R
SEP 08, 47	06:51 AM	180	12VI54	12PI54R
NOV 02, 49	02:12 AM	180	08SC25	08TA25R
DEC 12, 51	06:09 AM	180	18SA52	18GE52R
JAN 14, 54	10:21 PM	180	23CP37	23CA37R
FEB 18, 56	02:29 PM	180	27AQ54	27LE54R
MAR 29, 58	04:58 PM	180	06AR47	06LI47R
MAY 22, 60	07:29 PM	180	29TA12	29SC12R
AUG 09, 62	11:46 PM	180	14LE34	14AQ34R
OCT 14, 64	02:34 AM	180	19LI33	19AR33R
NOV 27, 66	04:40 PM	180	04SA21	04GE21R
JAN 01, 69	05:14 PM	180	10CP35	10CA35R
FEB 04, 71	08:22 PM	180	14AQ32	14LE32R
MAR 13, 73	00:52 AM	180	20PI54	20VI54R
APR 29, 75	02:10 PM	180	06TA26	06SC26R
JUL 08, 77	12:43 PM	180	13CA38	13CP38R
SEP 22, 79	06:39 PM	180	27VI32	27PI32R
NOV 11, 81	09:54 PM	180	18SC38	18TA38R
DEC 20, 83	06:11 AM	180	27SA15	27GE15R
JAN 22, 86	12:25 PM	180	01AQ30	01LE30R
FEB 26, 88	08:31 PM	180	06PI19	06VI19R
APR 09, 90	03:47 AM	180	17AR08	17LI08R
JUN 07, 92	11:28 AM	180	14GE22	14SA22R
AUG 27, 94	01:12 AM	180	01VI28	01PI28R
OCT 25, 96	05:41 AM	180	01SC02	01TA02R
DEC 06, 98	03:59 AM	180	13SA14	13GE14R
JAN 09, 101	08:13 AM	180	18CP33	18CA33R
FEB 12, 103	04:13 PM	180	22AQ35	22LE35R
MAR 22, 105	07:24 AM	180	00AR11	00LI11R

MAY 12, 107	05:18 PM	180	19TA14	19SC14R
JUL 26, 109	10:09 PM	180	01LE33	01AQ33R
OCT 05, 111	09:35 PM	180	10LI53	10AR53R
NOV 21, 113	02:43 AM	180	28SC14	28TA14R
DEC 28, 115	01:04 AM	180	05CP25	05CA25R
JAN 30, 118	03:38 AM	180	09AQ25	09LE25R
MAR 06, 120	09:29 AM	180	14PI58	14VI58R
APR 20, 122	08:28 AM	180	28AR10	28LI10R
JUN 24, 124	11:50 AM	180	00CA49	00CP49R
SEP 11, 126	05:15 PM	180	17VI09	17PI09R
NOV 04, 128	02:29 PM	180	11SC47	11TA47R
DEC 14, 130	08:43 AM	180	21SA50	21GE50R
JAN 16, 133	10:12 PM	180	26CP28	26CA28R
FEB 20, 135	05:16 PM	180	00PI50	00VI50R
APR 01, 137	04:59 AM	180	10AR03	10LI03R
MAY 27, 139	05:25 AM	180	03GE18	03SA18R
AUG 13, 141	08:56 PM	180	19LE11	19AQ11R
OCT 17, 143	07:45 PM	180	23LI07	23AR07R
NOV 29, 145	09:02 PM	180	07SA25	07GE25R
JAN 04, 148	05:33 PM	180	13CP27	13CA27R
FEB 06, 150	08:50 PM	180	17AQ23	17LE23R
MAR 15, 152	06:53 AM	180	23PI56	23VI56R
MAY 02, 154	12:46 PM	180	10TA06	10SC06R
JUL 12, 156	01:41 PM	180	18CA21	18CP21R
SEP 25, 158	10:33 PM	180	01LI31	01AR31R
NOV 14, 160	06:01 AM	180	21SC50	21TA50R
DEC 22, 162	06:55 AM	180	00CP08	00CA08R
JAN 24, 165	12:20 PM	180	04AQ21	04LE21R
MAR 01, 167	00:11 AM	180	09PI16	09VI16R
APR 11, 169	05:44 PM	180	20AR29	20LI29R

JUN 12, 171	02:52 AM	180	18GE41	18SA41R
AUG 30, 173	04:26 PM	180	05VI52	05PI52R
OCT 28, 175	08:02 PM	180	04SC29	04TA29R
DEC 08, 177	07:29 AM	180	16SA15	16GE15R
JAN 12, 180	08:06 AM	180	21CP24	21CA24R
FEB 14, 182	05:51 PM	180	25AQ29	25LE29R
MAR 24, 184	05:08 PM	180	03AR22	03LI22R
MAY 15, 186	10:50 PM	180	23TA10	23SC10R
JUL 30, 188	10:45 PM	180	06LE18	06AQ18R
OCT 08, 190	07:06 PM	180	14LI38	14AR38R
NOV 23, 192	08:44 AM	180	01SA21	01GE21R
DEC 30, 194	01:43 AM	180	08CP17	08CA17R
FEB 01, 197	03:45 AM	180	12AQ15	12LE15R
MAR 09, 199	01:55 PM	180	17PI57	17VI57R
APR 23, 201	02:23 AM	180	01TA39	01SC39R
JUN 29, 203	09:33 AM	180	05CA25	05CP25R
SEP 15, 205	02:09 AM	180	21VI19	21PI19R
NOV 08, 207	00:25 AM	180	15SC04	15TA04R
DEC 16, 209	10:01 AM	180	24SA45	24GE45R
JAN 19, 212	09:47 PM	180	29CP17	29CA17R
FEB 22, 214	07:43 PM	180	03PI44	03VI44R
APR 03, 216	04:18 PM	180	13AR17	13LI17R
MAY 30, 218	03:49 PM	180	07GE25	07SA25R
AUG 17, 220	04:52 PM	180	23LE46	23AQ46R
OCT 20, 222	01:33 PM	180	26LI43	26AR43R
DEC 02, 224	02:01 AM	180	10SA29	10GE29R
JAN 06, 227	05:43 PM	180	16CP19	16CA19R
FEB 08, 229	09:47 PM	180	20AQ15	20LE15R
MAR 18, 231	02:30 PM	180	27PI02	27VI02R
MAY 05, 233	01:19 PM	180	13TA50	13SC50R

JUL 17, 235	02:55 PM	180	23CA06	23CP06R
SEP 29, 237	00:18 AM	180	05LI25	05AR25R
NOV 17, 239	01:16 PM	180	25SC00	25TA00R
DEC 24, 241	07:59 AM	180	03CP03	03CA03R
JAN 27, 244	12:07 PM	180	07AQ10	07LE10R
MAR 03, 246	03:09 AM	180	12PI12	12VI12R
APR 14, 248	08:13 AM	180	23AR50	23LI50R
JUN 15, 250	08:11 PM	180	23GE05	23SA05R
SEP 03, 252	06:59 AM	180	10VI16	10PI16R
OCT 31, 254	09:10 AM	180	07SC54	07TA54R
DEC 10, 256	09:53 AM	180	19SA13	19GE13R
JAN 14, 259	07:42 AM	180	24CP14	24CA14R
FEB 16, 261	07:37 PM	180	28AQ23	28LE23R
MAR 28, 263	02:08 AM	180	06AR32	06LI32R
MAY 19, 265	03:34 AM	180	27TA04	27SC04R
AUG 04, 267	09:55 PM	180	10LE58	10AQ58R
OCT 11, 269	03:58 PM	180	18LI20	18AR20R
NOV 26, 271	02:48 PM	180	04SA28	04GE28R
JAN 01, 274	02:18 AM	180	11CP10	11CA10R
FEB 04, 276	03:55 AM	180	15AQ06	15LE06R
MAR 11, 278	07:34 PM	180	20PI59	20VI59R
APR 25, 280	11:00 PM	180	05TA15	05SC15R
JUL 03, 282	08:52 AM	180	10CA04	10CP04R
SEP 18, 284	09:22 AM	180	25VI26	25PI26R
NOV 10, 286	10:10 AM	180	18SC20	18TA20R
DEC 18, 288	11:52 AM	180	27SA41	27GE41R
JAN 21, 291	09:41 PM	180	02AQ07	02LE07R
FEB 24, 293	10:00 PM	180	06PI39	06VI39R
APR 07, 295	03:43 AM	180	16AR32	16LI32R
JUN 03, 297	03:26 AM	180	11GE36	11SA36R

AUG 22, 299	12:31 PM	180	28LE21	28AQ21R
OCT 23, 301	05:25 AM	180	00SC14	00TA14R
DEC 05, 303	05:14 AM	180	13SA29	13GE29R
JAN 08, 306	05:21 PM	180	19CP08	19CA08R
FEB 11, 308	10:30 PM	180	23AQ06	23LE06R
MAR 20, 310	09:30 PM	180	00AR07	00LI07R
MAY 08, 312	01:27 PM	180	17TA34	17SC34R
JUL 21, 314	02:59 PM	180	27CA48	27CP48R
OCT 02, 316	01:25 AM	180	09LI18	09AR18R
NOV 19, 318	09:29 PM	180	28SC13	28TA13R
DEC 26, 320	09:16 AM	180	05CP57	05CA57R
JAN 29, 323	12:07 PM	180	10AQ01	10LE01R
MAR 05, 325	07:41 AM	180	15PI11	15VI11R
APR 18, 327	01:07 AM	180	27AR17	27LI17R
JUN 19, 329	03:24 PM	180	27GE34	27SA34R
SEP 07, 331	08:03 PM	180	14VI36	14PI36R
NOV 02, 333	08:56 PM	180	11SC15	11TA15R
DEC 13, 335	12:13 PM	180	22SA11	22GE11R
JAN 16, 338	07:39 AM	180	27CP04	27CA04R
FEB 19, 340	08:46 PM	180	01PI14	01VI14R
MAR 30, 342	10:58 AM	180	09AR40	09LI40R
MAY 22, 344	09:56 AM	180	01GE01	01SA01R
AUG 08, 346	09:02 PM	180	15LE40	15AQ40R
OCT 14, 348	11:44 AM	180	22LI01	22AR01R
NOV 28, 350	07:55 PM	180	07SA33	07GE33R
JAN 03, 353	02:13 AM	180	14CP01	14CA01R
FEB 06, 355	04:18 AM	180	17AQ57	17LE57R
MAR 14, 357	01:30 AM	180	24PI01	24VI01R
APR 29, 359	06:46 PM	180	08TA48	08SC48R
JUL 07, 361	07:14 AM	180	14CA40	14CP40R

SEP 22, 363	03:17 PM	180	29VI29	29PI29R
NOV 12, 365	07:54 PM	180	21SC36	21TA36R
DEC 21, 367	01:36 PM	180	00CP37	00CA37R
JAN 23, 370	09:30 PM	180	04AQ58	04LE58R
FEB 28, 372	00:50 AM	180	09PI35	09VI35R
APR 09, 374	05:24 PM	180	19AR52	19LI52R
JUN 06, 376	06:02 PM	180	15GE53	15SA53R
AUG 26, 378	06:51 AM	180	02VI52	02PI52R
OCT 25, 380	08:20 PM	180	03SC43	03TA43R
DEC 07, 382	08:57 AM	180	16SA30	16GE30R
JAN 10, 385	05:29 PM	180	22CP00	22CA00R
FEB 13, 387	11:22 PM	180	25AQ58	25LE58R
MAR 23, 389	04:50 AM	180	03AR12	03LI12R
MAY 12, 391	02:24 PM	180	21TA19	21SC19R
JUL 25, 393	03:42 PM	180	02LE32	02AQ32R
OCT 06, 395	01:42 AM	180	13LI09	13AR09R
NOV 22, 397	03:58 AM	180	01SA20	01GE20R
DEC 29, 399	09:18 AM	180	08CP48	08CA48R
JAN 31, 402	12:00 PM	180	12AQ50	12LE50R
MAR 07, 404	11:46 AM	180	18PI10	18VI10R
APR 20, 406	05:12 PM	180	00TA43	00SC43R
JUN 23, 408	10:12 AM	180	02CA02	02CP02R
SEP 11, 410	06:41 AM	180	18VI50	18PI50R
NOV 05, 412	09:05 AM	180	14SC37	14TA37R
DEC 15, 414	03:13 PM	180	25SA09	25GE09R
JAN 18, 417	07:31 AM	180	29CP55	29CA55R
FEB 21, 419	10:48 PM	180	04PI09	04VI09R
APR 01, 421	10:29 PM	180	12AR55	12LI55R
MAY 26, 423	06:56 PM	180	05GE06	05SA06R
AUG 12, 425	08:02 PM	180	20LE22	20AQ22R

OCT 18, 427	06:28 AM	180	25LI39	25AR39R
DEC 01, 429	00:29 AM	180	10SA37	10GE37R
JAN 06, 432	02:20 AM	180	16CP53	16CA53R
FEB 08, 434	04:41 AM	180	20AQ47	20LE47R
MAR 16, 436	06:37 AM	180	27PI01	27VI01R
MAY 02, 438	02:57 PM	180	12TA22	12SC22R
JUL 11, 440	07:07 AM	180	19CA20	19CP20R
SEP 25, 442	08:05 PM	180	03LI31	03AR31R
NOV 15, 444	04:36 AM	180	24SC50	24TA50R
DEC 23, 446	02:31 PM	180	03CP31	03CA31R
JAN 25, 449	09:06 PM	180	07AQ47	07LE47R
MAR 02, 451	03:59 AM	180	12PI31	12VI31R
APR 12, 453	07:02 AM	180	23AR11	23LI11R
JUN 11, 455	07:23 AM	180	20GE08	20SA08R
AUG 29, 457	10:49 PM	180	07VI18	07PI18R
OCT 29, 459	11:20 AM	180	07SC12	07TA12R
DEC 09, 461	12:42 PM	180	19SA31	19GE31R
JAN 13, 464	05:19 PM	180	24CP51	24CA51R
FEB 16, 466	00:27 AM	180	28AQ51	28LE51R
MAR 25, 468	01:25 PM	180	06AR21	06LI21R
MAY 15, 470	06:03 PM	180	25TA11	25SC11R
JUL 29, 472	05:18 PM	180	07LE18	07AQ18R
OCT 09, 474	00:19 AM	180	16LI56	16AR56R
NOV 24, 476	10:09 AM	180	04SA28	04GE28R
DEC 31, 478	10:00 AM	180	11CP42	11CA42R
FEB 02, 481	12:10 PM	180	15AQ41	15LE41R
MAR 10, 483	03:46 PM	180	21PI08	21VI08R
APR 23, 485	10:00 AM	180	04TA09	04SC09R
JUN 28, 487	06:20 AM	180	06CA33	06CP33R
SEP 14, 489	05:00 PM	180	23VI04	23PI04R

NOV 08, 491	08:21 PM	180	17SC57	17TA57R
DEC 17, 493	04:43 PM	180	28SA05	28GE05R
JAN 21, 496	06:48 AM	180	02AQ43	02LE43R
FEB 24, 498	00:48 AM	180	07PI03	07VI03R
APR 04, 500	09:00 AM	180	16AR08	16LI08R
MAY 30, 502	02:30 AM	180	09GE08	09SA08R
AUG 16, 504	04:16 PM	180	24LE57	24AQ57R
OCT 21, 506	00:10 AM	180	29LI14	29AR14R
DEC 03, 508	05:31 AM	180	13SA41	13GE41R
JAN 08, 511	02:38 AM	180	19CP45	19CA45R
FEB 10, 513	05:13 AM	180	23AQ38	23LE38R
MAR 19, 515	01:27 PM	180	00AR06	00LI06R
MAY 05, 517	02:31 PM	180	16TA05	16SC05R
JUL 16, 519	08:40 AM	180	24CA06	24CP06R
SEP 28, 521	11:59 PM	180	07LI31	07AR31R
NOV 18, 523	12:40 PM	180	28SC02	28TA02R
DEC 25, 525	03:33 PM	180	06CP25	06CA25R
JAN 28, 528	09:03 PM	180	10AQ37	10LE37R
MAR 04, 530	06:44 AM	180	15PI26	15VI26R
APR 14, 532	08:02 PM	180	26AR29	26LI29R
JUN 14, 534	10:01 PM	180	24GE25	24SA25R
SEP 02, 536	02:04 PM	180	11VI43	11PI43R
NOV 01, 538	01:04 AM	180	10SC38	10TA38R
DEC 11, 540	03:19 PM	180	22SA30	22GE30R
JAN 15, 543	04:37 PM	180	27CP40	27CA40R
FEB 18, 545	01:41 AM	180	01PI43	01VI43R
MAR 28, 547	10:07 PM	180	09AR29	09LI29R
MAY 18, 549	09:06 PM	180	29TA01	29SC01R
AUG 03, 551	04:31 PM	180	11LE59	11AQ59R
OCT 11, 553	10:07 PM	180	20LI41	20AR41R

NOV 27, 555	04:34 PM	180	07SA36	07GE36R
JAN 02, 558	10:39 AM	180	14CP35	14CA35R
FEB 05, 560	12:17 PM	180	18AQ32	18LE32R
MAR 12, 562	08:40 PM	180	24PI09	24VI09R
APR 26, 564	04:59 AM	180	07TA41	07SC41R
JUL 02, 566	05:00 AM	180	11CA10	11CP10R
SEP 18, 568	01:52 AM	180	27VI15	27PI15R
NOV 11, 570	06:16 AM	180	21SC14	21TA14R
DEC 19, 572	06:27 PM	180	01CP01	01CA01R
JAN 23, 575	06:36 AM	180	05AQ34	05LE34R
FEB 26, 577	02:49 AM	180	09PI57	09VI57R
APR 07, 579	07:41 PM	180	19AR21	19LI21R
JUN 02, 581	11:59 AM	180	13GE13	13SA13R
AUG 21, 583	12:41 PM	180	29LE33	29AQ33R
OCT 23, 585	05:41 PM	180	02SC49	02TA49R
DEC 06, 587	09:23 AM	180	16SA42	16GE42R
JAN 10, 590	02:00 AM	180	22CP34	22CA34R
FEB 13, 592	05:49 AM	180	26AQ30	26LE30R
MAR 21, 594	08:00 PM	180	03AR10	03LI10R
MAY 08, 596	12:41 PM	180	19TA45	19SC45R
JUL 20, 598	07:47 AM	180	28CA46	28CP46R
OCT 02, 600	01:25 AM	180	11LI24	11AR24R
NOV 20, 602	08:20 PM	180	01SA13	01GE13R
DEC 27, 604	04:49 PM	180	09CP19	09CA19R
JAN 30, 607	08:43 PM	180	13AQ26	13LE26R
MAR 06, 609	10:17 AM	180	18PI24	18VI24R
APR 18, 611	11:58 AM	180	29AR54	29LI54R
JUN 18, 613	04:41 PM	180	28GE53	28SA53R
SEP 07, 615	05:13 AM	180	16VI09	16PI09R
NOV 03, 617	02:12 PM	180	14SC03	14TA03R

DEC 14, 619	05:51 PM	180	25SA28	25GE28R
JAN 17, 622	04:23 PM	180	00AQ30	00LE30R
FEB 21, 624	03:08 AM	180	04PI35	04VI35R
MAR 31, 626	06:08 AM	180	12AR36	12LI36R
MAY 22, 628	00:42 AM	180	02GE53	02SA53R
AUG 07, 630	03:59 PM	180	16LE41	16AQ41R
OCT 14, 632	06:48 PM	180	24LI24	24AR24R
NOV 29, 634	09:37 PM	180	10SA41	10GE41R
JAN 04, 637	10:20 AM	180	17CP26	17CA26R
FEB 07, 639	12:01 PM	180	21AQ21	21LE21R
MAR 15, 641	01:41 AM	180	27PI09	27VI09R
APR 29, 643	11:51 PM	180	11TA12	11SC12R
JUL 06, 645	01:56 AM	180	15CA43	15CP43R
SEP 22, 647	08:38 AM	180	01LI21	01AR21R
NOV 13, 649	04:23 PM	180	24SC32	24TA32R
DEC 22, 651	08:24 PM	180	03CP58	03CA58R
JAN 25, 654	06:12 AM	180	08AQ24	08LE24R
FEB 29, 656	05:20 AM	180	12PI52	12VI52R
APR 10, 658	08:01 AM	180	22AR38	22LI38R
JUN 06, 660	00:54 AM	180	17GE26	17SA26R
AUG 25, 662	09:09 AM	180	04VI09	04PI09R
OCT 26, 664	09:26 AM	180	06SC20	06TA20R
DEC 08, 666	12:38 PM	180	19SA43	19GE43R
JAN 12, 669	01:50 AM	180	25CP25	25CA25R
FEB 15, 671	06:21 AM	180	29AQ21	29LE21R
MAR 24, 673	02:12 AM	180	06AR14	06LI14R
MAY 12, 675	11:59 AM	180	23TA26	23SC26R
JUL 24, 677	08:01 AM	180	03LE28	03AQ28R
OCT 06, 679	02:56 AM	180	15LI18	15AR18R
NOV 23, 681	03:46 AM	180	04SA24	04GE24R

DEC 30, 683	05:01 PM	180	12CP12	12CA12R
FEB 01, 686	08:03 PM	180	16AQ16	16LE16R
MAR 08, 688	02:07 PM	180	21PI22	21VI22R
APR 21, 690	02:57 AM	180	03TA18	03SC18R
JUN 22, 692	08:59 AM	180	03CA16	03CP16R
SEP 10, 694	05:08 PM	180	20VI25	20PI25R
NOV 06, 696	02:03 AM	180	17SC24	17TA24R
DEC 16, 698	08:21 PM	180	28SA26	28GE26R
JAN 19, 701	04:00 PM	180	03AQ20	03LE20R
FEB 23, 703	04:17 AM	180	07PI28	07VI28R
APR 02, 705	03:47 PM	180	15AR48	15LI48R
MAY 26, 707	08:43 AM	180	06GE55	06SA55R
AUG 11, 709	04:32 PM	180	21LE26	21AQ26R
OCT 18, 711	02:49 PM	180	28LI05	28AR05R
DEC 02, 713	02:46 AM	180	13SA46	13GE46R
JAN 07, 716	10:28 AM	180	20CP17	20CA17R
FEB 09, 718	12:14 PM	180	24AQ11	24LE11R
MAR 17, 720	06:40 AM	180	00AR09	00LI09R
MAY 02, 722	06:25 PM	180	14TA43	14SC43R
JUL 09, 724	11:37 PM	180	20CA19	20CP19R
SEP 25, 726	02:59 PM	180	05LI26	05AR26R
NOV 16, 728	01:30 AM	180	27SC47	27TA47R
DEC 24, 730	09:05 PM	180	06CP51	06CA51R
JAN 27, 733	05:13 AM	180	11AQ12	11LE12R
MAR 03, 735	07:34 AM	180	15PI46	15VI46R
APR 12, 737	08:10 PM	180	25AR54	25LI54R
JUN 10, 739	12:43 PM	180	21GE37	21SA37R
AUG 29, 741	01:56 AM	180	08VI37	08PI37R
OCT 30, 743	00:24 AM	180	09SC50	09TA50R
DEC 10, 745	04:40 PM	180	22SA46	22GE46R

JAN 15, 748	01:48 AM	180	28CP17	28CA17R
FEB 17, 750	06:56 AM	180	02PI12	02VI12R
MAR 26, 752	09:59 AM	180	09AR20	09LI20R
MAY 15, 754	02:23 PM	180	27TA15	27SC15R
JUL 28, 756	10:19 AM	180	08LE16	08AQ16R
OCT 09, 758	03:28 AM	180	19LI10	19AR10R
NOV 25, 760	10:13 AM	180	07SA33	07GE33R
JAN 01, 763	05:22 PM	180	15CP05	15CA05R
FEB 03, 765	07:55 PM	180	19AQ06	19LE06R
MAR 11, 767	05:31 PM	180	24PI19	24VI19R
APR 23, 769	05:55 PM	180	06TA40	06SC40R
JUN 27, 771	02:48 AM	180	07CA41	07CP41R
SEP 14, 773	04:32 AM	180	24VI42	24PI42R
NOV 09, 775	02:05 PM	180	20SC46	20TA46R
DEC 18, 777	10:29 PM	180	01CP23	01CA23R
JAN 22, 780	03:09 PM	180	06AQ09	06LE09R
FEB 25, 782	05:47 AM	180	10PI22	10VI22R
APR 05, 784	02:00 AM	180	19AR00	19LI00R
MAY 29, 786	03:10 PM	180	10GE54	10SA54R
AUG 15, 788	01:22 PM	180	26LE03	26AQ03R
OCT 21, 790	09:01 AM	180	01SC42	01TA42R
DEC 04, 792	07:40 AM	180	16SA50	16GE50R
JAN 09, 795	10:42 AM	180	23CP09	23CA09R
FEB 11, 797	12:16 PM	180	27AQ02	27LE02R
MAR 20, 799	12:14 PM	180	03AR12	03LI12R
MAY 05, 801	04:07 PM	180	18TA22	18SC22R
JUL 15, 803	01:19 AM	180	25CA05	25CP05R
SEP 28, 805	08:32 PM	180	09LI30	09AR30R
NOV 19, 807	10:23 AM	180	01SA01	01GE01R
DEC 26, 809	10:24 PM	180	09CP46	09CA46R

JAN 30, 812	05:09 AM	180	14AQ02	14LE02R
MAR 05, 814	10:24 AM	180	18PI42	18VI42R
APR 15, 816	08:44 AM	180	29AR11	29LI11R
JUN 14, 818	01:13 AM	180	25GE50	25SA50R
SEP 01, 820	06:43 PM	180	13VI06	13PI06R
NOV 01, 822	03:18 PM	180	13SC19	13TA19R
DEC 12, 824	07:42 PM	180	25SA45	25GE45R
JAN 17, 827	01:00 AM	180	01AQ05	01LE05R
FEB 19, 829	07:31 AM	180	05PI03	05VI03R
MAR 29, 831	05:46 PM	180	12AR27	12LI27R
MAY 18, 833	03:57 PM	180	01GE02	01SA02R
AUG 02, 835	09:15 AM	180	12LE57	12AQ57R
OCT 12, 837	01:23 AM	180	22LI56	22AR56R
NOV 28, 839	04:52 PM	180	10SA41	10GE41R
JAN 03, 842	06:21 PM	180	17CP59	17CA59R
FEB 06, 844	07:57 PM	180	21AQ56	21LE56R
MAR 13, 846	09:59 PM	180	27PI19	27VI19R
APR 26, 848	12:05 PM	180	10TA10	10SC10R
JUL 01, 850	01:15 AM	180	12CA18	12CP18R
SEP 17, 852	04:13 PM	180	29VI00	29PI00R
NOV 12, 854	01:22 AM	180	24SC07	24TA07R
DEC 21, 856	00:18 AM	180	04CP20	04CA20R
JAN 24, 859	02:59 PM	180	09AQ00	09LE00R
FEB 27, 861	07:37 AM	180	13PI15	13VI15R
APR 08, 863	11:43 AM	180	22AR10	22LI10R
JUN 01, 865	09:59 PM	180	14GE53	14SA53R
AUG 20, 867	10:01 AM	180	00VI39	00PI39R
OCT 24, 869	03:06 AM	180	05SC18	05TA18R
DEC 07, 871	12:20 PM	180	19SA54	19GE54R
JAN 11, 874	10:18 AM	180	26CP00	26CA00R

FEB 14, 876	12:27 PM	180	29AQ52	29LE52R
MAR 22, 878	06:40 PM	180	06AR15	06LI15R
MAY 08, 880	01:48 PM	180	22TA00	22SC00R
JUL 19, 882	00:21 AM	180	29CA44	29CP44R
OCT 01, 884	11:30 PM	180	13LI27	13AR27R
NOV 21, 886	06:32 PM	180	04SA13	04GE13R
DEC 28, 888	11:42 PM	180	12CP41	12CA41R
FEB 01, 891	05:01 AM	180	16AQ53	16LE53R
MAR 07, 893	01:12 PM	180	21PI39	21VI39R
APR 18, 895	10:55 PM	180	02TA33	02SC33R
JUN 17, 897	06:12 PM	180	00CA14	00CP14R
SEP 06, 899	11:44 AM	180	17VI35	17PI35R
NOV 04, 901	05:22 AM	180	16SC46	16TA46R
DEC 15, 903	10:38 PM	180	28SA44	28GE44R
JAN 19, 906	00:50 AM	180	03AQ56	03LE56R
FEB 22, 908	08:55 AM	180	07PI56	07VI56R
APR 01, 910	01:57 AM	180	15AR34	15LI34R
MAY 21, 912	05:55 PM	180	04GE51	04SA51R
AUG 06, 914	08:41 AM	180	17LE38	17AQ38R
OCT 14, 916	11:51 PM	180	26LI43	26AR43R
NOV 30, 918	10:55 PM	180	13SA48	13GE48R
JAN 05, 921	06:10 PM	180	20CP49	20CA49R
FEB 08, 923	07:37 PM	180	24AQ45	24LE45R
MAR 16, 925	02:19 AM	180	00AR18	00LI18R
APR 30, 927	05:31 AM	180	13TA39	13SC39R
JUL 04, 929	09:19 PM	180	16CA49	16CP49R
SEP 21, 931	11:37 PM	180	03LI07	03AR07R
NOV 14, 933	11:16 AM	180	27SC24	27TA24R
DEC 24, 935	02:21 AM	180	07CP17	07CA17R
JAN 26, 938	02:43 PM	180	11AQ50	11LE50R

MAR 01, 940	09:35 AM	180	16PI09	16VI09R
APR 10, 942	11:28 PM	180	25AR26	25LI26R
JUN 05, 944	09:18 AM	180	19GE03	19SA03R
AUG 24, 946	08:49 AM	180	05VI21	05PI21R
OCT 26, 948	09:12 PM	180	08SC56	08TA56R
DEC 09, 950	04:16 PM	180	22SA57	22GE57R
JAN 13, 953	10:03 AM	180	28CP51	28CA51R
FEB 16, 955	01:18 PM	180	02PI44	02VI44R
MAR 25, 957	00:37 AM	180	09AR17	09LI17R
MAY 12, 959	10:49 AM	180	25TA37	25SC37R
JUL 22, 961	11:16 PM	180	04LE23	04AQ23R
OCT 06, 963	01:42 AM	180	17LI22	17AR22R
NOV 24, 965	02:11 AM	180	07SA25	07GE25R
JAN 01, 968	00:13 AM	180	15CP35	15CA35R
FEB 03, 970	04:10 AM	180	19AQ41	19LE41R
MAR 09, 972	04:22 PM	180	24PI35	24VI35R
APR 21, 974	01:46 PM	180	05TA55	05SC55R
JUN 21, 976	09:59 AM	180	04CA34	04CP34R
SEP 10, 978	01:01 AM	180	21VI56	21PI56R
NOV 06, 980	06:13 PM	180	20SC09	20TA09R
DEC 18, 982	01:21 AM	180	01CP43	01CA43R
JAN 21, 985	00:30 AM	180	06AQ47	06LE47R
FEB 24, 987	10:07 AM	180	10PI49	10VI49R
APR 03, 989	10:35 AM	180	18AR44	18LI44R
MAY 25, 991	11:13 PM	180	08GE47	08SA47R
AUG 10, 993	10:56 AM	180	22LE27	22AQ27R
OCT 18, 995	09:29 PM	180	00SC28	00TA28R
DEC 03, 997	04:09 AM	180	16SA54	16GE54R
JAN 08, 1000	06:16 PM	180	23CP42	23CA42R

2ND MILLENNIUM CE

This is a list of oppositions between Sun and Mars in the 2nd millennium CE.

DATE	TT	DIST
		mln
		km
1040/07/27 03:13:56		55.923086
1119/07/31 14:28:52		55.859486
1198/08/03 23:18:22		55.868230
1277/08/07 10:06:54		55.963120
1403/07/31 00:14:12		55.892134
1482/08/03 12:14:37		55.808593
1561/08/07 00:11:51		55.837778
1640/08/20 09:40:48		55.870546
1719/08/25 19:55:32		55.951170
1766/08/13 22:57:14		55.838948
1845/08/18 11:37:29		55.803162
1924/08/22 23:49:57		55.776939

DATE	TIME	ARC	SUN	MARS
FEB 10, 1002 07:49 PM 180 27AQ36 27LE36R				
MAR 18, 1004 07:06 AM 180 03AR18 03LI18R				
MAY 02, 1006 11:27 PM 180 17TA09 17SC09R				
JUL 08, 1008 05:35 PM 180 21CA21 21CP21R				

SEP 25, 1010	07:12 AM	180	07LI15	07AR15R
NOV 16, 1012	09:37 PM	180	00SA41	00GE41R
DEC 26, 1014	03:40 AM	180	10CP12	10CA12R
JAN 28, 1017	01:39 PM	180	14AQ38	14LE38R
MAR 04, 1019	11:43 AM	180	19PI03	19VI03R
APR 13, 1021	10:59 AM	180	28AR41	28LI41R
JUN 09, 1023	07:43 PM	180	23GE12	23SA12R
AUG 28, 1025	03:14 AM	180	09VI53	09PI53R
OCT 30, 1027	12:29 PM	180	12SC25	12TA25R
DEC 11, 1029	07:49 PM	180	25SA58	25GE58R
JAN 16, 1032	09:59 AM	180	01AQ42	01LE42R
FEB 18, 1034	01:43 PM	180	05PI35	05VI35R
MAR 27, 1036	07:20 AM	180	12AR22	12LI22R
MAY 15, 1038	11:48 AM	180	29TA23	29SC23R
JUL 27, 1040	02:23 AM	180	09LE13	09AQ13R
OCT 09, 1042	04:39 AM	180	21LI21	21AR21R
NOV 26, 1044	09:52 AM	180	10SA37	10GE37R
JAN 03, 1047	00:49 AM	180	18CP28	18CA28R
FEB 05, 1049	04:03 AM	180	22AQ31	22LE31R
MAR 12, 1051	08:11 PM	180	27PI33	27VI33R
APR 24, 1053	04:03 AM	180	09TA16	09SC16R
JUN 26, 1055	01:43 AM	180	08CA55	08CP55R
SEP 13, 1057	01:44 PM	180	26VI15	26PI15R
NOV 10, 1059	06:40 AM	180	23SC33	23TA33R
DEC 20, 1061	03:38 AM	180	04CP41	04CA41R
JAN 23, 1064	11:32 PM	180	09AQ36	09LE36R
FEB 26, 1066	11:04 AM	180	13PI41	13VI41R
APR 05, 1068	07:50 PM	180	21AR53	21LI53R
MAY 29, 1070	05:16 AM	180	12GE44	12SA44R
AUG 14, 1072	09:22 AM	180	27LE07	27AQ07R

OCT 21, 1074	04:51 PM	180	04SC08	04TA08R
DEC 05, 1076	09:27 AM	180	20SA00	20GE00R
JAN 10, 1079	06:39 PM	180	26CP35	26CA35R
FEB 12, 1081	07:55 PM	180	00PI27	00VI27R
MAR 21, 1083	12:16 PM	180	06AR20	06LI20R
MAY 05, 1085	07:34 PM	180	20TA43	20SC43R
JUL 13, 1087	06:21 PM	180	26CA04	26CP04R
SEP 28, 1089	03:26 PM	180	11LI25	11AR25R
NOV 20, 1091	07:12 AM	180	03SA58	03GE58R
DEC 28, 1093	04:54 AM	180	13CP08	13CA08R
JAN 31, 1096	01:19 PM	180	17AQ29	17LE29R
MAR 06, 1098	02:20 PM	180	21PI59	21VI59R
APR 15, 1100	10:42 PM	180	01TA57	01SC57R
JUN 13, 1102	06:53 AM	180	27GE21	27SA21R
AUG 31, 1104	08:47 PM	180	14VI23	14PI23R
NOV 02, 1106	04:20 AM	180	15SC56	15TA56R
DEC 13, 1108	11:44 PM	180	28SA59	28GE59R
JAN 18, 1111	09:23 AM	180	04AQ32	04LE32R
FEB 20, 1113	02:02 PM	180	08PI26	08VI26R
MAR 30, 1115	02:39 PM	180	15AR28	15LI28R
MAY 18, 1117	12:45 PM	180	03GE09	03SA09R
AUG 01, 1119	02:31 AM	180	13LE56	13AQ56R
OCT 12, 1121	04:02 AM	180	25LI09	25AR09R
NOV 29, 1123	04:18 PM	180	13SA45	13GE45R
JAN 05, 1126	01:36 AM	180	21CP22	21CA22R
FEB 08, 1128	03:48 AM	180	25AQ21	25LE21R
MAR 14, 1130	11:38 PM	180	00AR31	00LI31R
APR 26, 1132	08:19 PM	180	12TA43	12SC43R
JUN 29, 1134	10:17 PM	180	13CA29	13CP29R
SEP 17, 1136	03:44 AM	180	00LI39	00AR39R

NOV 12, 1138	07:24 PM	180	26SC57	26TA57R
DEC 22, 1140	06:03 AM	180	07CP40	07CA40R
JAN 25, 1143	11:17 PM	180	12AQ26	12LE26R
FEB 28, 1145	01:03 PM	180	16PI35	16VI35R
APR 09, 1147	05:25 AM	180	25AR04	25LI04R
JUN 01, 1149	10:56 AM	180	16GE41	16SA41R
AUG 19, 1151	06:38 AM	180	01VI45	01PI45R
OCT 24, 1153	11:44 AM	180	07SC47	07TA47R
DEC 08, 1155	02:24 PM	180	23SA05	23GE05R
JAN 12, 1158	06:25 PM	180	29CP25	29CA25R
FEB 15, 1160	07:28 PM	180	03PI16	03VI16R
MAR 23, 1162	05:29 PM	180	09AR20	09LI20R
MAY 08, 1164	04:14 PM	180	24TA19	24SC19R
JUL 17, 1166	05:25 PM	180	00LE44	00AQ44R
OCT 01, 1168	07:46 PM	180	15LI26	15AR26R
NOV 22, 1170	03:53 PM	180	07SA12	07GE12R
DEC 30, 1172	06:25 AM	180	16CP04	16CA04R
FEB 02, 1175	01:10 PM	180	20AQ19	20LE19R
MAR 08, 1177	04:57 PM	180	24PI55	24VI55R
APR 19, 1179	11:44 AM	180	05TA16	05SC16R
JUN 16, 1181	09:40 PM	180	01CA40	01CP40R
SEP 05, 1183	04:28 PM	180	18VI58	18PI58R
NOV 04, 1185	07:51 PM	180	19SC28	19TA28R
DEC 17, 1187	02:57 AM	180	02CP01	02CA01R
JAN 20, 1190	09:11 AM	180	07AQ23	07LE23R
FEB 23, 1192	03:02 PM	180	11PI19	11VI19R
APR 01, 1194	10:08 PM	180	18AR35	18LI35R
MAY 21, 1196	01:40 PM	180	06GE54	06SA54R
AUG 05, 1198	01:24 AM	180	18LE36	18AQ36R
OCT 15, 1200	02:53 AM	180	28LI57	28AR57R

DEC 01, 1202	11:18 PM	180	16SA54	16GE54R
JAN 07, 1205	02:04 AM	180	24CP15	24CA15R
FEB 10, 1207	03:15 AM	180	28AQ11	28LE11R
MAR 17, 1209	03:46 AM	180	03AR30	03LI30R
APR 30, 1211	01:18 PM	180	16TA11	16SC11R
JUL 03, 1213	05:55 PM	180	17CA59	17CP59R
SEP 21, 1215	01:47 PM	180	04LI52	04AR52R
NOV 15, 1217	05:58 AM	180	00SA16	00GE16R
DEC 25, 1219	07:57 AM	180	10CP36	10CA36R
JAN 27, 1222	11:11 PM	180	15AQ17	15LE17R
MAR 02, 1224	02:30 PM	180	19PI29	19VI29R
APR 11, 1226	03:33 PM	180	28AR17	28LI17R
JUN 04, 1228	08:05 PM	180	20GE47	20SA47R
AUG 23, 1230	06:31 AM	180	06VI30	06PI30R
OCT 27, 1232	07:03 AM	180	11SC27	11TA27R
DEC 10, 1234	07:25 PM	180	26SA10	26GE10R
JAN 14, 1237	06:32 PM	180	02AQ17	02LE17R
FEB 17, 1239	08:15 PM	180	06PI08	06VI08R
MAR 26, 1241	00:01 AM	180	12AR24	12LI24R
MAY 12, 1243	01:02 PM	180	27TA56	27SC56R
JUL 21, 1245	03:58 PM	180	05LE22	05AQ22R
OCT 05, 1247	11:29 PM	180	19LI25	19AR25R
NOV 25, 1249	00:27 AM	180	10SA26	10GE26R
JAN 02, 1252	07:23 AM	180	18CP58	18CA58R
FEB 04, 1254	12:31 PM	180	23AQ08	23LE08R
MAR 10, 1256	07:28 PM	180	27PI50	27VI50R
APR 22, 1258	01:27 AM	180	08TA36	08SC36R
JUN 20, 1260	12:46 PM	180	05CA59	05CP59R
SEP 09, 1262	07:55 AM	180	23VI24	23PI24R
NOV 07, 1264	09:18 AM	180	22SC54	22TA54R

DEC 19, 1266	06:06 AM	180	05CP00	05CA00R
JAN 22, 1269	09:15 AM	180	10AQ14	10LE14R
FEB 25, 1271	04:13 PM	180	14PI11	14VI11R
APR 04, 1273	06:40 AM	180	21AR43	21LI43R
MAY 25, 1275	05:23 PM	180	10GE47	10SA47R
AUG 09, 1277	04:05 AM	180	23LE26	23AQ26R
OCT 19, 1279	02:58 AM	180	02SC49	02TA49R
DEC 04, 1281	05:46 AM	180	20SA04	20GE04R
JAN 10, 1284	02:22 AM	180	27CP08	27CA08R
FEB 12, 1286	03:40 AM	180	01PI02	01VI02R
MAR 19, 1288	08:35 AM	180	06AR30	06LI30R
MAY 03, 1290	06:27 AM	180	19TA38	19SC38R
JUL 07, 1292	01:55 PM	180	22CA29	22CP29R
SEP 24, 1294	10:14 PM	180	09LI02	09AR02R
NOV 17, 1296	04:52 PM	180	03SA35	03GE35R
DEC 27, 1298	10:09 AM	180	13CP34	13CA34R
JAN 29, 1301	10:34 PM	180	18AQ06	18LE06R
MAR 05, 1303	04:19 PM	180	22PI23	22VI23R
APR 14, 1305	03:10 AM	180	01TA32	01SC32R
JUN 09, 1307	05:49 AM	180	24GE53	24SA53R
AUG 27, 1309	03:27 AM	180	11VI07	11PI07R
OCT 31, 1311	00:14 AM	180	15SC01	15TA01R
DEC 12, 1313	11:24 PM	180	29SA12	29GE12R
JAN 17, 1316	06:34 PM	180	05AQ09	05LE09R
FEB 19, 1318	08:58 PM	180	09PI00	09VI00R
MAR 28, 1320	06:09 AM	180	15AR28	15LI28R
MAY 15, 1322	11:41 AM	180	01GE37	01SA37R
JUL 25, 1324	06:37 PM	180	10LE11	10AQ11R
OCT 09, 1326	04:04 AM	180	23LI27	23AR27R
NOV 27, 1328	09:02 AM	180	13SA40	13GE40R

JAN 04, 1331	08:30 AM	180	21CP52	21CA52R
FEB 06, 1333	12:35 PM	180	25AQ59	25LE59R
MAR 13, 1335	11:22 PM	180	00AR49	00LI49R
APR 24, 1337	04:13 PM	180	11TA58	11SC58R
JUN 25, 1339	04:03 AM	180	10CA19	10CP19R
SEP 12, 1341	09:59 PM	180	27VI47	27PI47R
NOV 10, 1343	11:08 PM	180	26SC20	26TA20R
DEC 21, 1345	09:05 AM	180	08CP00	08CA00R
JAN 25, 1348	08:34 AM	180	13AQ03	13LE03R
FEB 27, 1350	05:06 PM	180	17PI03	17VI03R
APR 06, 1352	03:14 PM	180	24AR51	24LI51R
MAY 28, 1354	09:35 PM	180	14GE41	14SA41R
AUG 13, 1356	04:27 AM	180	28LE10	28AQ10R
OCT 21, 1358	11:40 PM	180	06SC32	06TA32R
DEC 06, 1360	11:04 AM	180	23SA10	23GE10R
JAN 12, 1363	02:50 AM	180	00AQ00	00LE00R
FEB 14, 1365	03:57 AM	180	03PI53	03VI53R
MAR 22, 1367	01:18 PM	180	09AR30	09LI30R
MAY 06, 1369	01:25 AM	180	23TA11	23SC11R
JUL 12, 1371	01:24 PM	180	27CA10	27CP10R
SEP 28, 1373	08:29 AM	180	13LI17	13AR17R
NOV 21, 1375	04:06 AM	180	06SA56	06GE56R
DEC 29, 1377	11:50 AM	180	16CP31	16CA31R
FEB 01, 1380	10:15 PM	180	20AQ57	20LE57R
MAR 07, 1382	07:03 PM	180	25PI19	25VI19R
APR 16, 1384	02:42 PM	180	04TA47	04SC47R
JUN 12, 1386	03:25 PM	180	28GE59	28SA59R
AUG 30, 1388	10:14 PM	180	15VI39	15PI39R
NOV 02, 1390	04:35 PM	180	18SC34	18TA34R
DEC 15, 1392	03:32 AM	180	02CP15	02CA15R

JAN 19, 1395	06:14 PM	180	08AQ00	08LE00R
FEB 21, 1397	09:04 PM	180	11PI50	11VI50R
MAR 31, 1399	12:46 PM	180	18AR33	18LI33R
MAY 18, 1401	11:42 AM	180	05GE21	05SA21R
JUL 30, 1403	07:37 PM	180	14LE55	14AQ55R
OCT 12, 1405	05:46 AM	180	27LI21	27AR21R
NOV 30, 1407	04:09 PM	180	16SA50	16GE50R
JAN 06, 1410	09:13 AM	180	24CP46	24CA46R
FEB 09, 1412	12:28 PM	180	28AQ49	28LE49R
MAR 16, 1414	02:39 AM	180	03AR46	03LI46R
APR 27, 1416	06:56 AM	180	15TA22	15SC22R
JUN 28, 1418	10:13 PM	180	14CA46	14CP46R
SEP 16, 1420	01:18 PM	180	02LI13	02AR13R
NOV 13, 1422	12:40 PM	180	29SC46	29TA46R
DEC 23, 1424	11:47 AM	180	10CP59	10CA59R
JAN 27, 1427	08:12 AM	180	15AQ54	15LE54R
MAR 01, 1429	06:52 PM	180	19PI57	19VI57R
APR 10, 1431	00:47 AM	180	28AR03	28LI03R
JUN 01, 1433	02:41 AM	180	18GE37	18SA37R
AUG 18, 1435	03:03 AM	180	02VI51	02PI51R
OCT 24, 1437	07:57 PM	180	10SC14	10TA14R
DEC 09, 1439	04:44 PM	180	26SA16	26GE16R
JAN 14, 1442	02:56 AM	180	02AQ52	02LE52R
FEB 17, 1444	03:35 AM	180	06PI42	06VI42R
MAR 24, 1446	05:59 PM	180	12AR30	12LI30R
MAY 08, 1448	08:43 PM	180	26TA44	26SC44R
JUL 16, 1450	11:59 AM	180	01LE49	01AQ49R
OCT 01, 1452	02:54 PM	180	17LI23	17AR23R
NOV 23, 1454	12:50 PM	180	10SA11	10GE11R
DEC 31, 1456	01:09 PM	180	19CP26	19CA26R

FEB 03, 1459	09:57 PM	180	23AQ47	23LE47R
MAR 09, 1461	09:20 PM	180	28PI14	28VI14R
APR 20, 1463	02:43 AM	180	08TA04	08SC04R
JUN 16, 1465	04:30 AM	180	03CA14	03CP14R
SEP 04, 1467	07:03 PM	180	20VI18	20PI18R
NOV 05, 1469	09:53 AM	180	22SC09	22TA09R
DEC 18, 1471	07:40 AM	180	05CP18	05CA18R
JAN 21, 1474	06:03 PM	180	10AQ51	10LE51R
FEB 24, 1476	10:15 PM	180	14PI43	14VI43R
APR 02, 1478	08:19 PM	180	21AR39	21LI39R
MAY 21, 1480	11:51 AM	180	09GE05	09SA05R
AUG 03, 1482	07:27 PM	180	19LE37	19AQ37R
OCT 15, 1484	05:41 AM	180	01SC12	01TA12R
DEC 02, 1486	11:08 PM	180	20SA01	20GE01R
JAN 08, 1489	10:00 AM	180	27CP41	27CA41R
FEB 11, 1491	11:46 AM	180	01PI39	01VI39R
MAR 18, 1493	05:57 AM	180	06AR43	06LI43R
APR 30, 1495	11:04 PM	180	18TA47	18SC47R
JUL 02, 1497	05:19 PM	180	19CA15	19CP15R
SEP 21, 1499	01:56 AM	180	06LI33	06AR33R
NOV 16, 1501	00:31 AM	180	03SA08	03GE08R
DEC 26, 1503	02:01 PM	180	13CP57	13CA57R
JAN 29, 1506	08:02 AM	180	18AQ45	18LE45R
MAR 03, 1508	08:38 PM	180	22PI52	22VI52R
APR 12, 1510	10:06 AM	180	01TA14	01SC14R
JUN 04, 1512	09:46 AM	180	22GE37	22SA37R
AUG 22, 1514	03:45 AM	180	07VI37	07PI37R
OCT 27, 1516	04:30 PM	180	13SC57	13TA57R
DEC 11, 1518	10:09 PM	180	29SA22	29GE22R
JAN 16, 1521	03:09 AM	180	05AQ45	05LE45R

FEB 19, 1523	04:01 AM	180	09PI35	09VI35R
MAR 27, 1525	00:03 AM	180	15AR34	15LI34R
MAY 12, 1527	05:29 PM	180	00GE21	00SA21R
JUL 20, 1529	10:49 AM	180	06LE27	06AQ27R
OCT 05, 1531	08:12 PM	180	21LI26	21AR26R
NOV 25, 1533	10:22 PM	180	13SA26	13GE26R
JAN 03, 1536	02:51 PM	180	22CP22	22CA22R
FEB 05, 1538	09:24 PM	180	26AQ36	26LE36R
MAR 11, 1540	11:48 PM	180	01AR09	01LI09R
APR 22, 1542	03:27 PM	180	11TA22	11SC22R
JUN 19, 1544	06:15 PM	180	07CA31	07CP31R
SEP 08, 1546	01:18 PM	180	24VI50	24PI50R
NOV 08, 1548	00:15 AM	180	25SC38	25TA38R
DEC 20, 1550	10:35 AM	180	08CP17	08CA17R
JAN 23, 1553	06:01 PM	180	13AQ42	13LE42R
FEB 26, 1555	11:07 PM	180	17PI35	17VI35R
APR 05, 1557	03:36 AM	180	24AR45	24LI45R
MAY 25, 1559	02:13 PM	180	12GE54	12SA54R
AUG 07, 1561	09:59 PM	180	24LE27	24AQ27R
OCT 19, 1563	06:59 AM	180	05SC07	05TA07R
DEC 05, 1565	06:58 AM	180	23SA13	23GE13R
JAN 11, 1568	10:51 AM	180	00AQ35	00LE35R
FEB 13, 1570	11:59 AM	180	04PI30	04VI30R
MAR 20, 1572	10:59 AM	180	09AR44	09LI44R
MAY 03, 1574	04:02 PM	180	22TA15	22SC15R
JUL 06, 1576	12:14 PM	180	23CA44	23CP44R
SEP 24, 1578	12:38 PM	180	10LI48	10AR48R
NOV 18, 1580	11:50 AM	180	06SA29	06GE29R
JAN 07, 1583	04:17 PM	180	16CP55	16CA55R
FEB 10, 1585	07:34 AM	180	21AQ35	21LE35R

MAR 16, 1587	09:45 PM	180	25PI44	25VI44R
APR 24, 1589	08:04 PM	180	04TA25	04SC25R
JUN 18, 1591	06:31 PM	180	26GE41	26SA41R
SEP 05, 1593	02:22 AM	180	12VI18	12PI18R
NOV 10, 1595	10:47 AM	180	17SC35	17TA35R
DEC 24, 1597	02:46 AM	180	02CP26	02CA26R
JAN 29, 1600	03:20 AM	180	08AQ37	08LE37R
MAR 03, 1602	04:35 AM	180	12PI27	12VI27R
APR 08, 1604	06:01 AM	180	18AR37	18LI37R
MAY 25, 1606	02:42 PM	180	03GE58	03SA58R
AUG 03, 1608	11:59 AM	180	11LE12	11AQ12R
OCT 19, 1610	02:21 AM	180	25LI31	25AR31R
DEC 08, 1612	07:49 AM	180	16SA43	16GE43R
JAN 15, 1615	04:02 PM	180	25CP18	25CA18R
FEB 17, 1617	09:13 PM	180	29AQ28	29LE28R
MAR 25, 1619	03:06 AM	180	04AR07	04LI07R
MAY 05, 1621	05:19 AM	180	14TA43	14SC43R
JUL 04, 1623	08:37 AM	180	11CA48	11CP48R
SEP 22, 1625	05:07 AM	180	29VI17	29PI17R
NOV 21, 1627	02:30 PM	180	29SC05	29TA05R
JAN 01, 1630	02:15 PM	180	11CP19	11CA19R
FEB 05, 1632	05:48 PM	180	16AQ33	16LE33R
MAR 10, 1634	11:41 PM	180	20PI27	20VI27R
APR 17, 1636	11:42 AM	180	27AR53	27LI53R
JUN 07, 1638	05:18 PM	180	16GE46	16SA46R
AUG 21, 1640	10:58 PM	180	29LE13	29AQ13R
NOV 01, 1642	05:32 AM	180	08SC54	08TA54R
DEC 17, 1644	12:39 PM	180	26SA19	26GE19R
JAN 23, 1647	11:02 AM	180	03AQ27	03LE27R
FEB 25, 1649	12:05 PM	180	07PI20	07VI20R

APR 02, 1651	03:04 PM	180	12AR43	12LI43R
MAY 16, 1653	09:02 AM	180	25TA43	25SC43R
JUL 21, 1655	09:55 AM	180	28CA20	28CP20R
OCT 07, 1657	11:40 PM	180	15LI06	15AR06R
DEC 01, 1659	11:57 PM	180	09SA52	09GE52R
JAN 09, 1662	06:45 PM	180	19CP54	19CA54R
FEB 13, 1664	07:23 AM	180	24AQ26	24LE26R
MAR 19, 1666	00:17 AM	180	28PI40	28VI40R
APR 27, 1668	07:58 AM	180	07TA41	07SC41R
JUN 22, 1670	03:27 AM	180	00CA46	00CP46R
SEP 08, 1672	11:01 PM	180	16VI56	16PI56R
NOV 13, 1674	04:18 AM	180	21SC11	21TA11R
DEC 26, 1676	07:15 AM	180	05CP30	05CA30R
JAN 31, 1679	03:16 AM	180	11AQ29	11LE29R
MAR 05, 1681	04:34 AM	180	15PI16	15VI16R
APR 11, 1683	11:42 AM	180	21AR39	21LI39R
MAY 28, 1685	12:49 PM	180	07GE38	07SA38R
AUG 08, 1687	01:02 PM	180	15LE57	15AQ57R
OCT 22, 1689	05:25 AM	180	29LI30	29AR30R
DEC 11, 1691	03:35 PM	180	19SA55	19GE55R
JAN 17, 1694	04:59 PM	180	28CP12	28CA12R
FEB 20, 1696	09:14 PM	180	02PI18	02VI18R
MAR 27, 1698	06:25 AM	180	07AR04	07LI04R
MAY 08, 1700	07:37 PM	180	18TA05	18SC05R
JUL 09, 1702	01:01 AM	180	16CA11	16CP11R
SEP 26, 1704	09:52 PM	180	03LI46	03AR46R
NOV 25, 1706	05:32 AM	180	02SA35	02GE35R
JAN 04, 1709	05:35 PM	180	14CP20	14CA20R
FEB 08, 1711	05:32 PM	180	19AQ24	19LE24R
MAR 14, 1713	01:14 AM	180	23PI21	23VI21R

APR 21, 1715	08:56 PM	180	01TA04	01SC04R
JUN 11, 1717	09:05 PM	180	20GE39	20SA39R
AUG 27, 1719	10:37 PM	180	03VI56	03PI56R
NOV 05, 1721	02:34 AM	180	12SC38	12TA38R
DEC 21, 1723	06:44 PM	180	29SA27	29GE27R
JAN 26, 1726	11:39 AM	180	06AQ20	06LE20R
FEB 29, 1728	11:56 AM	180	10PI11	10VI11R
APR 05, 1730	07:32 PM	180	15AR43	15LI43R
MAY 20, 1732	03:40 AM	180	29TA15	29SC15R
JUL 26, 1734	08:39 AM	180	02LE58	02AQ58R
OCT 12, 1736	08:38 AM	180	19LI17	19AR17R
DEC 05, 1738	10:01 AM	180	13SA09	13GE09R
JAN 12, 1741	08:07 PM	180	22CP49	22CA49R
FEB 16, 1743	07:10 AM	180	27AQ16	27LE16R
MAR 22, 1745	02:30 AM	180	01AR35	01LI35R
MAY 01, 1747	06:58 PM	180	10TA56	10SC56R
JUN 26, 1749	01:46 PM	180	04CA55	04CP55R
SEP 14, 1751	08:19 PM	180	21VI35	21PI35R
NOV 16, 1753	10:19 PM	180	24SC48	24TA48R
DEC 30, 1755	12:05 PM	180	08CP35	08CA35R
FEB 03, 1758	03:20 AM	180	14AQ20	14LE20R
MAR 08, 1760	05:35 AM	180	18PI09	18VI09R
APR 14, 1762	07:27 PM	180	24AR46	24LI46R
JUN 01, 1764	12:50 PM	180	11GE22	11SA22R
AUG 13, 1766	01:46 PM	180	20LE42	20AQ42R
OCT 26, 1768	07:32 AM	180	03SC26	03TA26R
DEC 14, 1770	11:19 PM	180	23SA07	23GE07R
JAN 20, 1773	06:02 PM	180	01AQ07	01LE07R
FEB 23, 1775	08:56 PM	180	05PI08	05VI08R
MAR 30, 1777	09:17 AM	180	10AR00	10LI00R

MAY 12, 1779	10:10 AM	180	21TA27	21SC27R
JUL 12, 1781	06:50 PM	180	20CA37	20CP37R
OCT 01, 1783	12:02 PM	180	08LI10	08AR10R
NOV 27, 1785	06:02 PM	180	05SA59	05GE59R
JAN 07, 1788	07:55 PM	180	17CP18	17CA18R
FEB 10, 1790	05:14 PM	180	22AQ15	22LE15R
MAR 16, 1792	02:50 AM	180	26PI15	26VI15R
APR 24, 1794	06:02 AM	180	04TA13	04SC13R
JUN 15, 1796	02:16 AM	180	24GE35	24SA35R
AUG 31, 1798	11:48 PM	180	08VI43	08PI43R
NOV 09, 1800	00:55 AM	180	16SC26	16TA26R
DEC 25, 1802	01:03 AM	180	02CP36	02CA36R
JAN 29, 1805	11:59 AM	180	09AQ14	09LE14R
MAR 04, 1807	12:24 PM	180	13PI03	13VI03R
APR 09, 1809	01:10 AM	180	18AR46	18LI46R
MAY 24, 1811	11:16 PM	180	02GE49	02SA49R
JUL 31, 1813	06:59 AM	180	07LE36	07AQ36R
OCT 17, 1815	03:12 PM	180	23LI23	23AR23R
DEC 08, 1817	07:23 PM	180	16SA26	16GE26R
JAN 16, 1820	09:55 PM	180	25CP46	25CA46R
FEB 19, 1822	06:41 AM	180	00PI07	00VI07R
MAR 25, 1824	04:24 AM	180	04AR29	04LI29R
MAY 05, 1826	06:53 AM	180	14TA13	14SC13R
JUL 01, 1828	02:15 AM	180	09CA08	09CP08R
SEP 19, 1830	04:21 PM	180	26VI11	26PI11R
NOV 20, 1832	02:32 PM	180	28SC20	28TA20R
JAN 02, 1835	03:23 PM	180	11CP35	11CA35R
FEB 06, 1837	02:56 AM	180	17AQ11	17LE11R
MAR 12, 1839	06:33 AM	180	21PI02	21VI02R
APR 18, 1841	02:05 AM	180	27AR52	27LI52R

JUN 06, 1843	12:26 PM	180	15GE06	15SA06R
AUG 18, 1845	03:17 PM	180	25LE28	25AQ28R
OCT 31, 1847	09:25 AM	180	07SC21	07TA21R
DEC 18, 1849	07:04 AM	180	26SA19	26GE19R
JAN 24, 1852	06:56 PM	180	04AQ01	04LE01R
FEB 26, 1854	08:42 PM	180	07PI59	07VI59R
APR 02, 1856	01:29 PM	180	13AR00	13LI00R
MAY 16, 1858	02:51 AM	180	24TA55	24SC55R
JUL 17, 1860	01:17 PM	180	25CA06	25CP06R
OCT 06, 1862	00:31 AM	180	12LI30	12AR30R
DEC 01, 1864	06:14 AM	180	09SA22	09GE22R
JAN 10, 1867	10:25 PM	180	20CP17	20CA17R
FEB 13, 1869	04:45 PM	180	25AQ05	25LE05R
MAR 20, 1871	03:57 AM	180	29PI07	29VI07R
APR 27, 1873	02:45 PM	180	07TA23	07SC23R
JUN 20, 1875	08:34 AM	180	28GE34	28SA34R
SEP 05, 1877	11:43 PM	180	13VI27	13PI27R
NOV 12, 1879	08:11 PM	180	20SC06	20TA06R
DEC 27, 1881	05:21 AM	180	05CP40	05CA40R
FEB 01, 1884	11:44 AM	180	12AQ05	12LE05R
MAR 06, 1886	12:31 PM	180	15PI53	15VI53R
APR 11, 1888	06:16 AM	180	21AR47	21LI47R
MAY 27, 1890	07:06 PM	180	06GE23	06SA23R
AUG 04, 1892	06:15 AM	180	12LE16	12AQ16R
OCT 20, 1894	10:15 PM	180	27LI31	27AR31R
DEC 11, 1896	05:43 AM	180	19SA45	19GE45R
JAN 18, 1899	11:33 PM	180	28CP43	28CA43R
FEB 22, 1901	06:12 AM	180	02PI57	02VI57R
MAR 29, 1903	07:31 AM	180	07AR26	07LI26R
MAY 08, 1905	08:07 PM	180	17TA32	17SC32R

JUL 06, 1907	03:28 PM	180	13CA23	13CP23R
SEP 24, 1909	10:10 AM	180	00LI43	00AR43R
NOV 25, 1911	04:59 AM	180	01SA49	01GE49R
JAN 05, 1914	06:35 PM	180	14CP37	14CA37R
FEB 10, 1916	02:39 AM	180	20AQ02	20LE02R
MAR 15, 1918	06:44 AM	180	23PI53	23VI53R
APR 21, 1920	08:43 AM	180	00TA56	00SC56R
JUN 10, 1922	02:09 PM	180	18GE53	18SA53R
AUG 23, 1924	05:01 PM	180	00VI15	00PI15R
NOV 04, 1926	09:31 AM	180	11SC13	11TA13R
DEC 21, 1928	01:36 PM	180	29SA28	29GE28R
JAN 27, 1931	07:07 PM	180	06AQ54	06LE54R
MAR 01, 1933	08:29 PM	180	10PI49	10VI49R
APR 06, 1935	05:34 PM	180	15AR59	15LI59R
MAY 19, 1937	06:36 PM	180	28TA21	28SC21R
JUL 23, 1939	08:04 AM	180	29CA35	29CP35R
OCT 10, 1941	12:47 PM	180	16LI49	16AR49R
DEC 05, 1943	06:32 PM	180	12SA45	12GE45R
JAN 14, 1946	00:52 AM	180	23CP16	23CA16R
FEB 17, 1948	04:16 PM	180	27AQ56	27LE56R
MAR 23, 1950	05:45 AM	180	02AR02	02LI02R
MAY 01, 1952	01:32 AM	180	10TA37	10SC37R
JUN 24, 1954	05:20 PM	180	02CA38	02CP38R
SEP 10, 1956	09:59 PM	180	18VI09	18PI09R
NOV 16, 1958	02:33 PM	180	23SC44	23TA44R
DEC 30, 1960	10:21 AM	180	08CP45	08CA45R
FEB 04, 1963	11:57 AM	180	14AQ57	14LE57R
MAR 09, 1965	12:29 PM	180	18PI44	18VI44R
APR 15, 1967	11:30 AM	180	24AR49	24LI49R
MAY 31, 1969	03:50 PM	180	10GE00	10SA00R

AUG 10, 1971	06:52 AM	180	17LE00	17AQ00R
OCT 25, 1973	03:28 AM	180	01SC35	01TA35R
DEC 15, 1975	01:59 PM	180	22SA58	22GE58R
JAN 22, 1978	00:11 AM	180	01AQ37	01LE37R
FEB 25, 1980	05:43 AM	180	05PI47	05VI47R
MAR 31, 1982	10:14 AM	180	10AR22	10LI22R
MAY 11, 1984	08:52 AM	180	20TA51	20SC51R
JUL 10, 1986	05:27 AM	180	17CA41	17CP41R
SEP 28, 1988	03:32 AM	180	05LI14	05AR14R
NOV 27, 1990	08:35 PM	180	05SA21	05GE21R
JAN 07, 1993	10:43 PM	180	17CP40	17CA40R
FEB 12, 1995	02:32 AM	180	22AQ54	22LE54R
MAR 17, 1997	07:55 AM	180	26PI46	26VI46R
APR 24, 1999	05:38 PM	180	04TA06	04SC06R

3RD MILLENNIUM CE

This is a list of oppositions between Sun and Mars in the 3rd millennium CE.

DATE	TT	DIST
		mln
		km
2003/08/27	09:52:17	55.758006
2050/08/15	12:54:32	55.957274
2082/08/30	19:01:17	55.884319
2129/08/19	21:51:47	55.841268

2208/08/24 09:01:11 55.769118
 2287/08/28 22:26:28 55.688406
 2366/09/02 08:06:45 55.708569
 2413/08/21 10:48:37 55.982064
 2445/09/05 16:45:00 55.794539
 2492/08/24 19:26:46 55.832519
 2524/09/10 04:14:22 55.895245
 2571/08/30 06:21:38 55.707589
 2650/09/03 18:00:43 55.651584
 2729/09/08 04:50:46 55.651036
 2808/09/11 15:38:08 55.695627
 2855/08/31 18:15:01 55.815633
 2887/09/16 00:22:01 55.788124
 2934/09/05 03:05:20 55.676245
 2966/09/20 10:57:45 55.955833

DATE TIME ARC SUN MARS

JUN 13, 2001	05:46 PM	180	22GE46	22SA46R
AUG 28, 2003	05:59 PM	180	05VI01	05PI01R
NOV 07, 2005	07:59 AM	180	15SC01	15TA01R
DEC 24, 2007	07:47 PM	180	02CP37	02CA37R
JAN 29, 2010	07:44 PM	180	09AQ48	09LE48R
MAR 03, 2012	08:11 PM	180	13PI39	13VI39R
APR 08, 2014	09:04 PM	180	18AR57	18LI57R
MAY 22, 2016	11:17 AM	180	01GE47	01SA47R
JUL 27, 2018	05:14 AM	180	04LE09	04AQ09R
OCT 13, 2020	11:27 PM	180	21LI05	21AR05R
DEC 08, 2022	05:43 AM	180	16SA06	16GE06R
JAN 16, 2025	02:40 AM	180	26CP13	26CA13R
FEB 19, 2027	03:52 PM	180	00PI46	00VI46R

MAR 25, 2029	07:51 AM	180	04AR57	04LI57R
MAY 04, 2031	12:05 PM	180	13TA51	13SC51R
JUN 28, 2033	01:30 AM	180	06CA42	06CP42R
SEP 15, 2035	07:41 PM	180	22VI48	22PI48R
NOV 19, 2037	09:12 AM	180	27SC22	27TA22R
JAN 02, 2040	03:29 PM	180	11CP50	11CA50R
FEB 06, 2042	12:07 PM	180	17AQ49	17LE49R
MAR 11, 2044	12:52 PM	180	21PI36	21VI36R
APR 17, 2046	06:08 PM	180	27AR54	27LI54R
JUN 03, 2048	02:51 PM	180	13GE42	13SA42R
AUG 14, 2050	07:53 AM	180	21LE45	21AQ45R
OCT 28, 2052	06:37 AM	180	05SC33	05TA33R
DEC 17, 2054	10:17 PM	180	26SA11	26GE11R
JAN 24, 2057	01:34 AM	180	04AQ32	04LE32R
FEB 27, 2059	05:33 AM	180	08PI37	08VI37R
APR 02, 2061	12:55 PM	180	13AR18	13LI18R
MAY 14, 2063	10:23 PM	180	24TA11	24SC11R
JUL 13, 2065	09:05 PM	180	22CA02	22CP02R
OCT 02, 2067	07:58 PM	180	09LI42	09AR42R
NOV 30, 2069	10:23 AM	180	08SA47	08GE47R
JAN 11, 2072	01:07 AM	180	20CP38	20CA38R
FEB 14, 2074	02:01 AM	180	25AQ44	25LE44R
MAR 19, 2076	08:58 AM	180	29PI38	29VI38R
APR 27, 2078	01:40 AM	180	07TA14	07SC14R
JUN 16, 2080	08:29 PM	180	26GE37	26SA37R
SEP 01, 2082	05:43 PM	180	09VI45	09PI45R
NOV 10, 2084	06:11 AM	180	18SC48	18TA48R
DEC 27, 2086	02:40 AM	180	05CP47	05CA47R
JAN 31, 2089	08:25 PM	180	12AQ42	12LE42R
MAR 06, 2091	08:17 PM	180	16PI30	16VI30R

APR 11, 2093	02:23 AM	180	21AR59	21LI59R
MAY 26, 2095	06:28 AM	180	05GE20	05SA20R
JUL 31, 2097	03:41 AM	180	08LE47	08AQ47R
OCT 18, 2099	08:12 AM	180	25LI17	25AR17R
DEC 11, 2101	03:46 PM	180	19SA24	19GE24R
JAN 20, 2104	04:19 AM	180	29CP10	29CA10R
FEB 22, 2106	03:36 PM	180	03PI36	03VI36R
MAR 28, 2108	09:15 AM	180	07AR50	07LI50R
MAY 07, 2110	10:19 PM	180	17TA03	17SC03R
JUL 02, 2112	11:09 AM	180	10CA48	10CP48R
SEP 20, 2114	04:37 PM	180	27VI26	27PI26R
NOV 23, 2116	02:13 AM	180	00SA57	00GE57R
JAN 05, 2119	07:15 PM	180	14CP52	14CA52R
FEB 09, 2121	11:37 AM	180	20AQ40	20LE40R
MAR 15, 2123	01:26 PM	180	24PI28	24VI28R
APR 21, 2125	00:50 AM	180	00TA59	00SC59R
JUN 08, 2127	12:59 PM	180	17GE22	17SA22R
AUG 19, 2129	07:43 AM	180	26LE28	26AQ28R
NOV 02, 2131	09:22 AM	180	09SC30	09TA30R
DEC 21, 2133	06:31 AM	180	29SA25	29GE25R
JAN 28, 2136	02:33 AM	180	07AQ27	07LE27R
MAR 02, 2138	05:17 AM	180	11PI28	11VI28R
APR 05, 2140	04:21 PM	180	16AR17	16LI17R
MAY 18, 2142	01:47 PM	180	27TA36	27SC36R
JUL 18, 2144	03:09 PM	180	26CA29	26CP29R
OCT 07, 2146	09:59 AM	180	14LI06	14AR06R
DEC 03, 2148	10:54 PM	180	12SA11	12GE11R
JAN 14, 2151	03:46 AM	180	23CP37	23CA37R
FEB 17, 2153	01:44 AM	180	28AQ35	28LE35R
MAR 23, 2155	09:55 AM	180	02AR31	02LI31R

APR 30, 2157	10:05 AM	180	10TA22	10SC22R
JUN 22, 2159	00:35 AM	180	00CA31	00CP31R
SEP 06, 2161	06:19 PM	180	14VI31	14PI31R
NOV 15, 2163	03:34 AM	180	22SC33	22TA33R
DEC 30, 2165	07:40 AM	180	08CP52	08CA52R
FEB 04, 2168	07:55 PM	180	15AQ32	15LE32R
MAR 09, 2170	08:19 PM	180	19PI21	19VI21R
APR 14, 2172	07:05 AM	180	24AR59	24LI59R
MAY 30, 2174	00:23 AM	180	08GE51	08SA51R
AUG 05, 2176	01:11 AM	180	13LE23	13AQ23R
OCT 22, 2178	03:19 PM	180	29LI25	29AR25R
DEC 14, 2180	01:57 AM	180	22SA43	22GE43R
JAN 22, 2183	06:17 AM	180	02AQ07	02LE07R
FEB 24, 2185	03:08 PM	180	06PI27	06VI27R
MAR 31, 2187	11:45 AM	180	10AR46	10LI46R
MAY 10, 2189	11:22 AM	180	20TA22	20SC22R
JUL 06, 2191	11:57 PM	180	15CA03	15CP03R
SEP 24, 2193	12:41 PM	180	02LI04	02AR04R
NOV 26, 2195	06:23 PM	180	04SA30	04GE30R
JAN 07, 2198	10:45 PM	180	17CP54	17CA54R
FEB 12, 2200	11:18 AM	180	23AQ31	23LE31R
MAR 18, 2202	01:56 PM	180	27PI19	27VI19R
APR 24, 2204	06:46 AM	180	04TA01	04SC01R
JUN 12, 2206	11:51 AM	180	21GE04	21SA04R
AUG 24, 2208	09:08 AM	180	01VI14	01PI14R
NOV 06, 2210	10:55 AM	180	13SC25	13TA25R
DEC 24, 2212	01:19 PM	180	02CP35	02CA35R
JAN 31, 2215	02:42 AM	180	10AQ20	10LE20R
MAR 05, 2217	04:47 AM	180	14PI18	14VI18R
APR 09, 2219	07:59 PM	180	19AR15	19LI15R

MAY 22, 2221	05:01 AM	180	00GE59	00SA59R
JUL 24, 2223	08:17 AM	180	00LE54	00AQ54R
OCT 11, 2225	10:42 PM	180	18LI26	18AR26R
DEC 08, 2227	11:57 AM	180	15SA36	15GE36R
JAN 17, 2230	06:35 AM	180	26CP37	26CA37R
FEB 21, 2232	01:09 AM	180	01PI26	01VI26R
MAR 26, 2234	11:26 AM	180	05AR25	05LI25R
MAY 03, 2236	07:56 PM	180	13TA35	13SC35R
JUN 26, 2238	07:41 AM	180	04CA32	04CP32R
SEP 11, 2240	06:53 PM	180	19VI16	19PI16R
NOV 18, 2242	11:04 PM	180	26SC13	26TA13R
JAN 02, 2245	12:24 PM	180	11CP57	11CA57R
FEB 07, 2247	08:02 PM	180	18AQ25	18LE25R
MAR 12, 2249	08:18 PM	180	22PI11	22VI11R
APR 18, 2251	11:35 AM	180	27AR59	27LI59R
JUN 02, 2253	07:33 PM	180	12GE24	12SA24R
AUG 11, 2255	00:10 AM	180	18LE03	18AQ03R
OCT 26, 2257	10:23 PM	180	03SC32	03TA32R
DEC 18, 2259	11:23 AM	180	25SA58	25GE58R
JAN 25, 2262	07:01 AM	180	05AQ01	05LE01R
FEB 28, 2264	02:13 PM	180	09PI15	09VI15R
APR 03, 2266	02:14 PM	180	13AR42	13LI42R
MAY 13, 2268	11:09 PM	180	23TA39	23SC39R
JUL 11, 2270	11:23 AM	180	19CA15	19CP15R
SEP 29, 2272	06:12 AM	180	06LI35	06AR35R
NOV 30, 2274	09:42 AM	180	08SA01	08GE01R
JAN 11, 2277	02:36 AM	180	20CP56	20CA56R
FEB 15, 2279	11:01 AM	180	26AQ22	26LE22R
MAR 20, 2281	02:27 PM	180	00AR11	00LI11R
APR 27, 2283	02:27 PM	180	07TA09	07SC09R

JUN 15, 2285	02:33 PM	180	24GE54	24SA54R
AUG 29, 2287	11:33 AM	180	06VI03	06PI03R
NOV 09, 2289	11:17 AM	180	17SC18	17TA18R
DEC 27, 2291	07:59 PM	180	05CP45	05CA45R
FEB 02, 2294	03:10 AM	180	13AQ14	13LE14R
MAR 07, 2296	04:25 AM	180	17PI07	17VI07R
APR 11, 2298	11:08 PM	180	22AR11	22LI11R
MAY 25, 2300	07:50 PM	180	04GE22	04SA22R
JUL 29, 2302	02:19 AM	180	05LE21	05AQ21R
OCT 16, 2304	10:48 AM	180	22LI45	22AR45R
DEC 11, 2306	11:25 PM	180	18SA58	18GE58R
JAN 20, 2309	08:08 AM	180	29CP34	29CA34R
FEB 24, 2311	00:06 AM	180	04PI14	04VI14R
MAR 29, 2313	12:45 PM	180	08AR18	08LI18R
MAY 08, 2315	05:24 AM	180	16TA46	16SC46R
JUN 30, 2317	02:17 PM	180	08CA31	08CP31R
SEP 17, 2319	04:17 PM	180	23VI56	23PI56R
NOV 22, 2321	05:59 PM	180	29SC53	29TA53R
JAN 06, 2324	05:47 PM	180	15CP03	15CA03R
FEB 10, 2326	08:08 PM	180	21AQ18	21LE18R
MAR 15, 2328	08:14 PM	180	25PI03	25VI03R
APR 21, 2330	05:17 PM	180	01TA03	01SC03R
JUN 06, 2332	05:08 PM	180	16GE03	16SA03R
AUG 16, 2334	01:06 AM	180	22LE47	22AQ47R
OCT 31, 2336	03:25 AM	180	07SC35	07TA35R
DEC 21, 2338	07:31 PM	180	29SA12	29GE12R
JAN 28, 2341	08:01 AM	180	07AQ56	07LE56R
MAR 03, 2343	01:38 PM	180	12PI06	12VI06R
APR 06, 2345	04:13 PM	180	16AR37	16LI37R
MAY 18, 2347	11:02 AM	180	26TA56	26SC56R

JUL 16, 2349	00:29 AM	180	23CA30	23CP30R
OCT 04, 2351	11:38 PM	180	11LI05	11AR05R
DEC 04, 2353	00:35 AM	180	11SA30	11GE30R
JAN 15, 2356	05:30 AM	180	23CP56	23CA56R
FEB 18, 2358	10:05 AM	180	29AQ12	29LE12R
MAR 23, 2360	03:04 PM	180	03AR03	03LI03R
APR 30, 2362	09:51 PM	180	10TA16	10SC16R
JUN 19, 2364	03:42 PM	180	28GE42	28SA42R
SEP 03, 2366	10:48 AM	180	10VI45	10PI45R
NOV 13, 2368	09:29 AM	180	21SC05	21TA05R
DEC 31, 2370	02:28 AM	180	08CP54	08CA54R
FEB 05, 2373	03:48 AM	180	16AQ07	16LE07R
MAR 11, 2375	03:52 AM	180	19PI57	19VI57R
APR 15, 2377	03:08 AM	180	25AR11	25LI11R
MAY 29, 2379	01:44 PM	180	07GE53	07SA53R
AUG 02, 2381	00:06 AM	180	09LE58	09AQ58R
OCT 20, 2383	09:52 PM	180	27LI03	27AR03R
DEC 14, 2385	10:28 AM	180	22SA19	22GE19R
JAN 23, 2388	10:03 AM	180	02AQ31	02LE31R
FEB 25, 2390	11:42 PM	180	07PI05	07VI05R
MAR 31, 2392	02:15 PM	180	11AR11	11LI11R
MAY 10, 2394	02:41 PM	180	19TA56	19SC56R
JUL 03, 2396	09:26 PM	180	12CA32	12CP32R
SEP 21, 2398	01:53 PM	180	28VI35	28PI35R
NOV 25, 2400	11:53 AM	180	03SA30	03GE30R

4TH MILLENNIUM CE

This is a list of oppositions between Sun and Mars in the 4th millennium CE.

DATE	TT	DIST
		mln
		km
3013/09/09 13:32:46		55.604319
3092/09/13 03:28:25		55.603619
3171/09/18 14:10:36		55.611448
3218/09/06 16:43:06		55.803412
3250/09/21 22:24:13		55.678590
3297/09/10 01:43:31		55.636516
3329/09/26 10:15:23		55.869467
3376/09/14 12:49:20		55.583129
3455/09/20 01:43:45		55.537510
3534/09/24 13:27:15		55.515831
3581/09/12 16:08:31		55.772561
3613/09/27 23:33:38		55.621919
3660/09/16 02:30:07		55.641123
3692/10/01 09:22:13		55.750675
3739/09/21 12:25:44		55.532109
3771/10/06 20:59:30		55.894216
3818/09/26 00:02:46		55.442196
3897/09/29 12:22:27		55.474144
3944/09/18 14:42:52		55.802118
3976/10/03 23:10:13		55.533167

5TH MILLENNIUM CE

This is a list of oppositions between Sun and Mars in the 5th millennium CE.

DATE	TT	DIST
		mln
		km
4023/09/23 01:42:36		55.625940
4055/10/08 08:23:59		55.604598
4102/09/27 11:38:55		55.452125
4134/10/12 18:05:53		55.794431
4181/09/30 20:56:20		55.407540
4260/10/05 08:51:27		55.409034
4307/09/25 10:27:28		55.818100
4339/10/10 21:10:22		55.419114
4386/09/28 23:51:31		55.592013
4418/10/14 05:40:20		55.513596
4465/10/02 08:45:58		55.433969
4497/10/17 14:05:50		55.678479
4544/10/06 16:57:31		55.361331
4576/10/22 02:11:24		55.883926
4623/10/12 05:35:46		55.330756
4670/09/30 07:35:39		55.822101
4702/10/16 17:04:41		55.341803
4749/10/04 19:35:47		55.588295
4781/10/20 02:37:12		55.417487

4828/10/08 05:36:02	55.416438
4860/10/23 12:42:07	55.572793
4907/10/13 16:15:51	55.326326
4939/10/28 22:42:11	55.751882
4986/10/17 02:07:18	55.259943

6TH MILLENNIUM CE

This is a list of oppositions between Sun and Mars in the 6th millennium CE.

DATE	TT	DIST
		mln
		km
5018/11/02 09:27:59	55.984120	
5033/10/06 04:58:57	55.827279	
5065/10/21 13:40:57	55.259432	
5112/10/10 16:17:18	55.573584	
5144/10/26 02:34:21	55.355277	
5191/10/15 05:22:03	55.421480	
5223/10/30 11:54:36	55.458606	
5270/10/18 15:55:20	55.281782	
5302/11/03 21:01:49	55.614350	
5349/10/23 00:55:42	55.177446	
5381/11/07 08:59:39	55.895740	
5396/10/11 04:32:21	55.802230	
5428/10/27 12:51:57	55.219320	

5475/10/16 15:16:56	55.596704
5507/11/02 01:32:52	55.264805
5554/10/21 04:20:56	55.401298
5586/11/05 11:58:21	55.327092
5633/10/24 15:45:32	55.208265
5665/11/08 20:39:16	55.533044
5712/10/29 00:42:40	55.156140
5744/11/13 07:09:38	55.766295
5759/10/18 04:14:33	55.843615
5791/11/02 10:52:22	55.147685
5838/10/22 13:30:40	55.590768
5870/11/06 23:26:04	55.141396
5917/10/27 02:00:35	55.349328
5949/11/11 10:01:10	55.258065
5996/10/30 13:14:12	55.204755

7TH MILLENNIUM CE

This is a list of oppositions between Sun and Mars in the 7th millennium CE.

DATE	TT	DIST
		mln
		km
6028/11/14 18:42:37	55.420301	
6075/11/03 22:31:08	55.114907	
6107/11/20 04:28:00	55.604403	

6122/10/24 01:51:17	55.881090
6154/11/08 08:29:43	55.054373
6186/11/23 14:22:23	55.880531
6201/10/28 11:39:34	55.570908
6233/11/12 18:40:45	55.075897
6280/10/31 21:00:18	55.349056
6312/11/17 05:35:33	55.170312
6359/11/06 08:26:20	55.194727
6391/11/21 16:52:55	55.296256
6438/11/09 20:26:36	55.069402
6470/11/25 00:24:08	55.481560
6485/10/29 00:00:04	55.907515
6517/11/14 04:50:12	54.996817
6549/11/29 09:31:47	55.745273
6564/11/02 08:23:18	55.588411
6596/11/17 13:48:03	55.008010
6643/11/07 16:40:38	55.350501
6675/11/23 02:54:41	55.092415
6722/11/12 05:32:43	55.181826
6754/11/27 13:51:47	55.189470
6801/11/15 17:22:48	55.036171
6833/11/30 21:58:07	55.362643
6848/11/03 21:14:59	55.946314
6880/11/19 02:44:33	54.942154
6912/12/05 08:28:58	55.645256
6927/11/09 06:34:06	55.594775
6959/11/24 12:48:59	54.964932
6991/12/09 19:22:31	55.928234

8TH MILLENNIUM CE

This is a list of oppositions between Sun and Mars in the 8th millennium CE.

DATE	TT	DIST
		mln
		km
7006/11/13 16:25:05		55.371470
7038/11/29 00:23:23		55.008868
7085/11/17 03:13:41		55.159304
7117/12/03 12:00:35		55.082059
7164/11/21 15:25:11		54.980930
7196/12/06 22:42:34		55.294643
7211/11/10 19:23:40		55.950576
7243/11/26 03:02:13		54.933364
7275/12/11 07:52:27		55.520693
7290/11/14 06:46:33		55.649914
7322/11/30 12:32:19		54.901337
7354/12/15 17:43:09		55.773221
7369/11/18 16:31:57		55.366306
7401/12/04 22:50:19		54.898840
7448/11/23 02:05:17		55.104984
7480/12/08 10:39:07		55.035588
7527/11/28 13:36:18		54.987582
7559/12/13 22:05:23		55.194825
7606/12/02 01:33:38		54.890000

7638/12/17 07:07:38	55.364231
7653/11/20 05:05:35	55.680282
7685/12/05 11:55:34	54.809393
7717/12/21 15:34:29	55.676041
7732/11/24 15:51:24	55.342325
7764/12/09 20:18:00	54.855471
7811/11/29 23:48:18	55.118575
7843/12/15 07:00:59	54.953747
7890/12/03 09:32:59	54.973041
7922/12/19 19:29:53	55.070235
7969/12/07 22:33:42	54.830457

9TH MILLENNIUM CE

This is a list of oppositions between Sun and Mars in the 9th millennium CE.

DATE	TT	DIST
		mln
		km
8001/12/23 04:16:08	55.268072	
8016/11/26 01:57:07	55.689741	
8048/12/11 08:24:18	54.774130	
8080/12/26 11:57:11	55.548769	
8095/11/30 12:03:07	55.378485	
8127/12/16 16:24:30	54.798133	
8159/12/31 22:42:03	55.866362	

8174/12/04 19:59:32	55.140746
8206/12/21 03:25:54	54.862787
8253/12/09 06:19:43	54.946659
8285/12/24 14:14:27	54.981117
8332/12/13 17:09:14	54.808092
8364/12/29 00:27:29	55.170266
8379/12/02 20:30:29	55.739416
8411/12/18 03:46:56	54.744369
8444/01/02 10:19:01	55.433162
8458/12/06 07:24:11	55.414755
8490/12/21 14:53:49	54.744329
8523/01/06 18:45:27	55.723264
8537/12/10 18:28:36	55.162855
8569/12/25 23:35:30	54.787990
8616/12/15 03:18:00	54.941416
8648/12/30 09:58:54	54.897393
8695/12/19 13:00:30	54.778815
8728/01/04 23:13:30	55.103205
8742/12/08 17:08:55	55.766885
8774/12/24 02:11:18	54.735517
8807/01/08 09:05:39	55.322112
8821/12/12 05:33:27	55.470329
8853/12/27 13:33:52	54.693439
8886/01/11 17:21:09	55.588784
8900/12/16 17:12:47	55.173639
8932/12/31 22:10:39	54.702712
8965/01/16 04:07:35	55.999407
8979/12/21 02:29:18	54.914685

10TH MILLENNIUM CE

This is a list of oppositions between Sun and Mars in the 10th millennium CE.

DATE	TT	DIST
		mln
		km
9012/01/06 09:14:57		54.860432
9058/12/25 12:13:27		54.798995
9091/01/09 21:37:09		55.019185
9105/12/14 17:00:31		55.834138
9137/12/30 00:32:14		54.700216
9170/01/14 08:46:43		55.196681
9184/12/18 03:45:58		55.490908
9217/01/02 12:35:48		54.618444
9249/01/17 18:01:07		55.521611
9263/12/22 16:09:51		55.157683
9296/01/06 22:22:48		54.685302
9328/01/23 03:16:27		55.873779
9342/12/27 02:10:48		54.949227
9375/01/11 07:56:27		54.782291
9421/12/31 11:02:03		54.786363
9454/01/15 19:24:22		54.901365
9468/12/19 16:00:03		55.888041
9501/01/04 22:21:52		54.641311
9533/01/20 07:00:30		55.139126

9547/12/25 01:55:31	55.485036
9580/01/09 09:41:46	54.608015
9612/01/24 16:40:27	55.412215
9626/12/28 12:43:05	55.205004
9659/01/12 20:19:12	54.637964
9691/01/28 01:42:03	55.714867
9706/01/01 23:09:45	54.974777
9738/01/17 06:00:46	54.683556
9785/01/05 09:23:38	54.755337
9817/01/21 15:00:30	54.832578
9831/12/26 14:26:15	55.923965
9864/01/10 17:45:50	54.637637
9896/01/26 02:20:01	55.054228
9910/12/30 21:43:27	55.549175
9943/01/15 04:24:07	54.593357
9975/01/30 14:26:51	55.293380
9990/01/03 07:05:21	55.254850

04.05.25695 - opposition between Sun and Mars

20.09.294851 - opposition between Sun and Mars